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(71) Applicant(s)

Maurice Clifford Hatery
1 Kenfield Place, ABERDEEN, AB1 7UW,
United Kingdom

Fathi Mohammed Kabbary
Flat 15, 2 Okasha Street, Dokki, Cairo 12311, Egypt

(72) Inventor(s)

Maurice Clifford Hatery
Fathi Mohammed Kabbary

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(74) Agent and/or Address for Service
J B King
Kings Patent Agency Limited, 73 Farringdon Road,
LONDON, EC1M 3JB, United Kingdom

(54) Radio antenna

(57) A radio antenna comprises a three wire transmission line (1) and a reactive terminating circuit (2), which may comprise an inductor (3) and capacitor (4). The length of the transmission line can be chosen to suit the site. The antenna will radiate with a length as short as 6% of the wave. Phasing unit (5) is used to separate the power into two equal parts and connect each part onto the two active conductors, one path from the split point (6) going via the variable delay line (7) and the other path taking the other part-power via a phase advance circuit which is the capacitor (8). The phase control components are adjustable so that any chosen length of antenna can be operated at a wide range of frequencies. The antenna may alternatively take the form of a balanced radiator with a centre feed or a two wire loop.

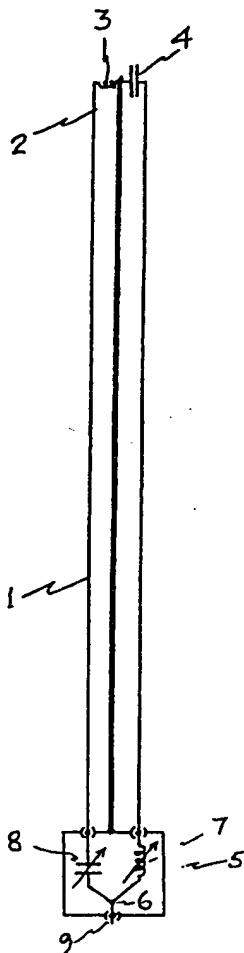


FIGURE 1

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